WILLOMITZER, J.

Rare Foultry Parasites. p. 1310 (ZA SOCIALISTICKE ZEMEDEISTVI, Vol. 3, No. 11, Nov. 1953) Praha, Czechoslovakia

SO: Monthly List of East European Accessions, Library of Congress, Vol. 3, No. 4, April 1954. Unclassified.

R-3

CZECHOSLOVAKIA/Diseases of Farm Animals - Diseases Caused by

Helminths.

Abs Jour : Ref Zhur - Biol., No 11, 1950, 50239

Author

Willomitzer, J.

Inst

: -

Title

The Diagnosis of Notocotyliasis in Ducks.

Orig Pub

Veterinarstvi, 1957, 7, No 9, 268-269

Abstract

A report is given of a notocotyliasis infection in ducks (causative agent is Notocotylus attennatus). Out of 580 ducks 10 died. In the perished ducks, cachexia, enteritis, and degeneration of parenchymatous organs were noted. A morphological description of the parasite is given.

Card 1/1

CCUPTRY : CZECHOSLOVAKIA

GATECORY : Zooparasitology. Parasitic Protozoa. Flagellata

ABS. JOUR. : RZhBiol., No. 2 1959, No. 5677

AUTHOR : Willouitzer. J.

INST. :

TITLE : Morphological Studies of Trichomonas suis

ORIG. FUB. : Veterinarstvi, 1958, 8, No 5, 167-168

ABSTRACT : No abstract

WILLOMITZER, J., dr., C.Sc.; LEBDUSKA, J., prof., dr., Dr.Sc.

Treatment of poultry capillariasis by Methyridin and other drugs. Vestnik vyzk zemedel 9 no.10:4/71-4/3 '62.

1. Vyzkumny ustav veterinarniho lekarstvi, Brno.

D

CZECHOSLOVAKIA

WILLOMITZER, J., DVM, Cand of Scien; LEBDUSKA, J., Prof. DVM, Dr. of Scien.

Brno (for both)

Prague, Veterinarstvi, No 6, 1963, pp 257-259

"Influence of Invasion of Capillaria caudinflata on the Weight of Hens."

WILLOMITZER, Jindrich, MVDr. CSc.

Effect of Czechoslovak anticestodiasis preparations on hen egg laying. Vest ust zemedel 11 no. 7:262-264 J1 '64.

1. Research Institute of Veterinary Medicina, Erno.

WILLOMITZER, Jindrich, MVDr. CSc.; LEBDUSKA, Jaroslav, prof. MVDr. DrSc.

Experiences in the treatment of poultry capillariosis by methyridine.
Veter medicina 8 no.4:245-248 '63.

1. Research Institute of Veterinary Medicine, Brno. Director of the
Institute [doc. MVDr. inz.] Jan Vlcek.

WILLOMITZER, Jindrich, MVDr. CSC.

Tests of a more suitable method of organic tir compound application in poultry infection by Davainea proglottina. Veter medicina 8 no.4: 249-256 '63.

1. Research Institute of Veterinary Medicine, Brnc. Director of the Institute [doc. MVDr. inz.] Jan Vlcek.

MELICHAR, Bohuslav, doc. dr. PhMr.; WILLOMITZER, Jindrich, MVDr. CSc.

Effect of aerosols of nontoxic physical insecticides on poultry ectoparasites. Veter medicina 8 no.4:275-284 '63.

1. Research Institute of Veterinary Medicine, Brno. Director of the Institute [doc. WVDr. inz.] Jan Vlcek.

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	D				
	Brno				
	Brno. Veteria	marstvi, No 3 [March	1967, pp 116-117		
	Jano, <u>100033</u>				
	"On therapy s	and chromoprophylaxi	s of some paratosis	in scratching	
	fowl."				
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METACHAR, Bohnslav, Docent, Dr. Magister of Pharmacy, and Willo-Mitaer, Jindrich, Dr of Vetermary Medicine, Candidate of Sciences, Research Institute of Veterinary Medicine (Vyzkumny ustav veterinarniho lekarstvi), Brno, Docent Engr Jan VLCEK, Dr of Veterinary Medicine, director.

"Effect of the Aerosols of Montoxic Physical Insecticides on the Ectoparasites of Fowl."

Prague, Veterinarni Medicina, Vol 5(XXXVI), No 4, August 63, pp 275-254.

Abstract [Authors' English summary, modified]: Determined were the physical and chemical parameters of ten substances of the following types: SiO₂ aerogels, silicates, adsorption carbon, and fly ashes. A method was established for determining the effect of physical insecticides on Dermanyssus gallinae and Musca dom. The correlation was determined between the size of the surface of the SiO₂ substances and silicates and their effect on Dermanyssus in vitro. The nontoxicity of three SiO₂ aerogels in chickens is reported as well as their positive effect on Dermanyssus gallinae and Menopon gallinae in hens. Futher experiments are announced on the evolution cycles and techniques of application. Twenty references, including 8 Czech and 1 Russian.

CAECHOSLOVAKIA

WILLOHITZER, Jindrich, Dr of Veterinary Medicine, Candidate of Sciences, Research Institute of Veterinary Medicine (Vyzkumny ustav veterinarniho lekarstvi), Brno, Docent Engr Jan VLCEK, Dr of Veterinary Medicine, director.

"Trials With a More Suitable Way of Applying the Organic Tin Compound in the Davaineosis of Poultry."

Frague, <u>Veterinarni Medicina</u>, Vol 8(XXXVI), No 4, August 63, pp 249-256.

Abstract [Author's English summary, modified]: The trials have corroborated a relatively good effectiveness of the stable Din-n-butyl tin dilaurate preparations made in Czechoslovakia. Data are given on experiments with Davainex 10 and Davainex 25. A comparison of the two preparations showed that an application of Davainex 10 in doses substantially lower than Davainex 25 produced only a slightly lower effect. Experiments are under way to determine the effect of Davainex 10 on the output of eggs of animals under treatment. Four references, including 1 Czech.

1/1

Sciences, and LEBDUSKA, Jaroslav, Prof., Dr of Veterinary Medicine, Candidate of dicine, Dr of Sciences, Research Institute of Veterinary Medicine (Vyzkumny ustav veterinarni medicine)

WIIMANSKA, A.; BASINSKI, A.

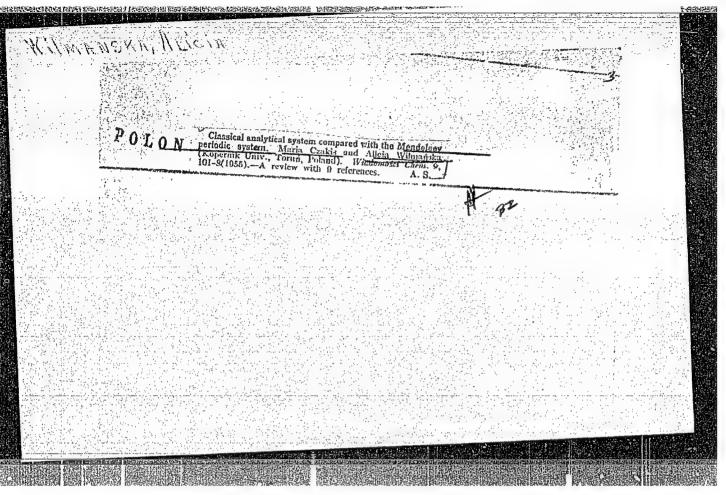
"Influence of Electrolytes on the Adsorption of Sulfurous Acid by Potato Starch." P. 82. (PRZEMYSL CHEMICZNY, Vol. 10, No. 2, Feb. 1954, Warszawa, Poland)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 1, Jan. 1955 Uncl.

WILMANSKI, Bernard

Studies on the influence of the balloon control ring upon the stressing of the cotton yarn spun on cotton frames. Przegl wlokien 16 no.2:73-79 F '62.

1. Centralne Biuro Techniczne Przemyslu Maszyn Wlokienniczych, Lodz.



SCHWANN, Jadwiga; WILMANSKA, Jadwiga; WINIARSKI, Waclaw

Erythroderma and other cutaneous complications in gold therapy. Przegl. derm. 48 no.4:341-348 JliAg 61.

1. Z Kliniki Dermatolegicznej PAM w Szczecinie Kierownik: doc. dr H. Prochacki. Z Kliniki Chorob Weunetrznych PAM w Szczecinie Kierownik: pref. dr F. Belechowski.

(GOLD toxicol) (ERYTHRODERMA etiol) (DERMATITIS MEDICAMENTOSA)

WILMANSKA, Jadwiga

Studies on chemical properties of trichophytin. Roczn. pom. akad. med. Swierczewski 11:525-533 '65.

1. Z Kliniki Dermatologicznej Pomorskiej Akademii Medycznej

(Kierownik: prof. dr. med. Henryk Prochacki).

WILMANSKI, Krzysztof

Dynamic loads of beams; the Timoshenko beam. Mechan teor stosow 2
no.2:83-96 '64.

1. Lodz Technical University. Submitted March 5, 1964.

44925 P/006/62/010/004/003/004 D237/D308

Wilmański Krzysztof

TITLE:

Elastic-plastic stresses in a ring, due to a temper-

ature field

PERIODICAL:

Rozprawy Inzynierskie, v. 10, no. 4, 1962, 713-729

The author discusses the elastic-plastic state of stress in a ring under a steady state radial temperature field. Saint-Venant model is assumed. Using Treska yield condition the author shows that one or two plastic regions may appear depending on the magnitude of the coefficient $E\alpha_T$ | ΔT | $/\sigma_s$, where E - Young's modulus; α_T - coeff. of thermal expansion; ΔT - T_a - T_b ; a and b - inner and outer radius of the ring; os - yield point. The inner plastic zone between r = a, r = 5 always appears first, irrespective of the sign of ΔT . The outer plastic zone is bounded, when it appears, by $r = \eta$, r = 0. Expressions for radial and tangential stresses and the condition for the stresses and the condition for the stresses are the stresses. tion for the appearance of the outer plastic zone in terms of ξ are

Card 1/2

Elastic-plastic stresses

P/006/62/010/004/003/004 D237/D308

found. Stresses in the ring in the presence of plastic zones and formulas for 5 and 7 are given in terms of Bessel functions and are shown to be reducible to the relations given by J.C. Wilhoit, Jr. The results obtained may be considered to be sufficiently accurate for temperatures up to 350°C, while for higher temperatures they may be regarded as first approximations to exact solutions. Comparison is made with the results of J.C. Wilhoit, Jr. There are 7 figures.

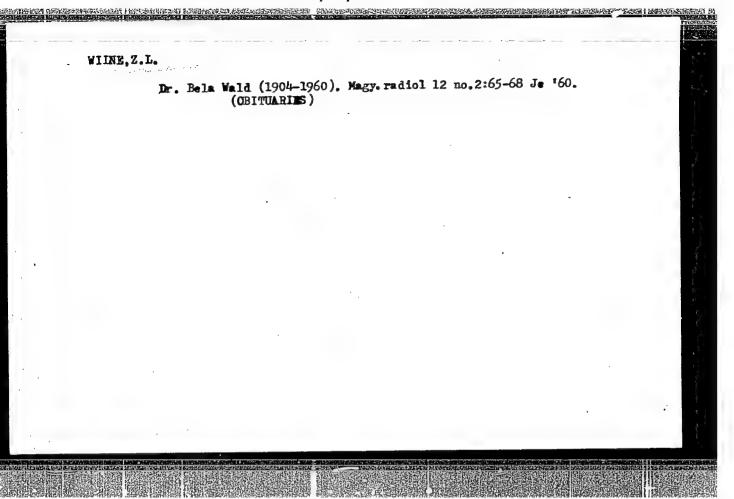
ASSOCIATION:

Politechnika Zódzka (Zódź Polytechnic)

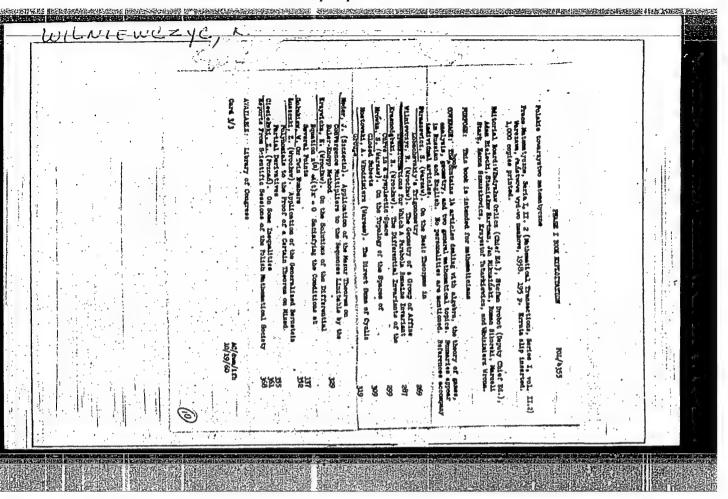
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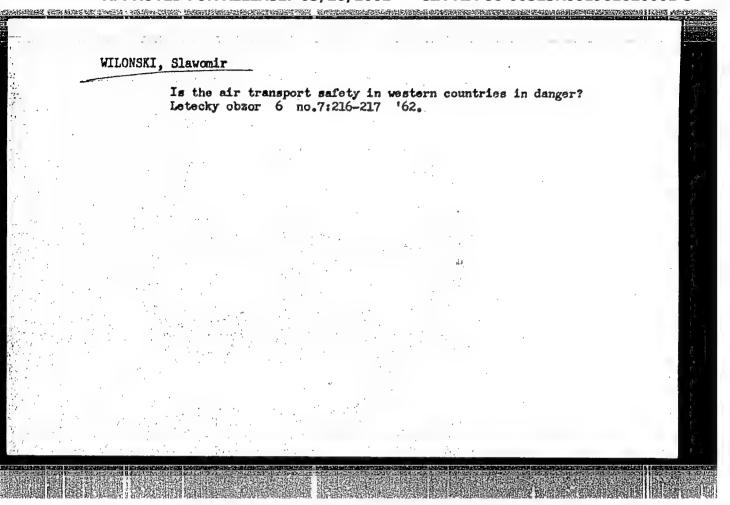
April 9, 1962

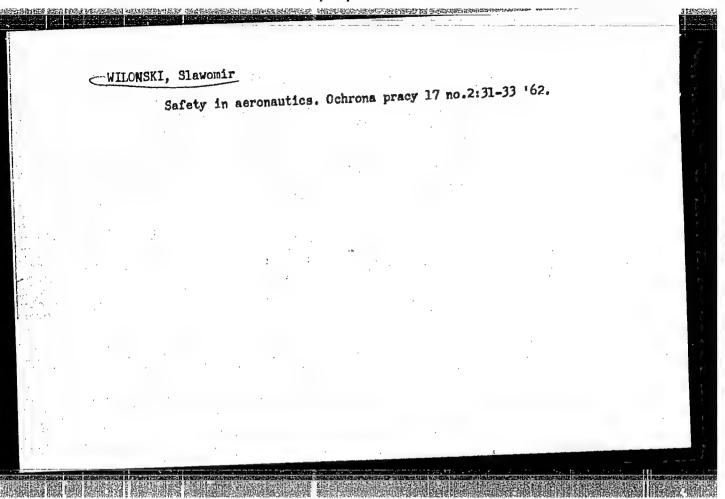
Card 2/2



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WILSKA, Maria, mgr inz.

Design and application possibilities of multifunction pneumatic relays. Pomiary 8 no.12:554-558 D '62.

POLAND / General Division, Problems of Teaching

A-8

Abs Jour: Ref Zhur-Biologita, No 5, 1958, 18955

Author : Wilska Z.

Inst

Title : The Plan of Work of a Circle of Amateur Fish Breeders

in Aquariums

Orig Pub: Biol. szkole, 1957, 10, No 2, 107-109

Abstract: No abstract

Card 1/1

WILSKA-JESZKA, J.

The chemistry and physiological properties of flavonoids. p. 289.

WIADOMOSCI CHEMICZNE. (Polskie Towaezystwo Chemiczne) Wroclaw, Poland. Vol. 13, no. 6, June 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 9, no. 1, Jan. 1960.

Uncl.

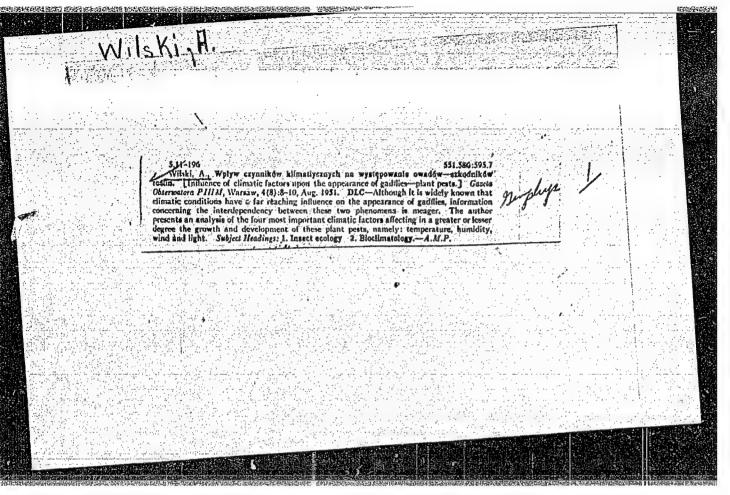
POLAND

WILSKA-JESZKA, Jadwiga

Department of Nutritives and Vitamin Concentrate Technology, Lodz Polytechnic (Katedra Technologii Odzywek i Koncentratow Witaminowych Politechniki Lodzkiej)

Wroclaw, Wiadomosci chemiczne, No 1, January 1966, pp 72-72

"Characteristics of flavonic compounds occurring in the Sorbus acuparia L. fruits." (doctoral thesis)



Wifski, A.

"Influence of climatic factors on the growth of insects." p. 13. (Gazeta

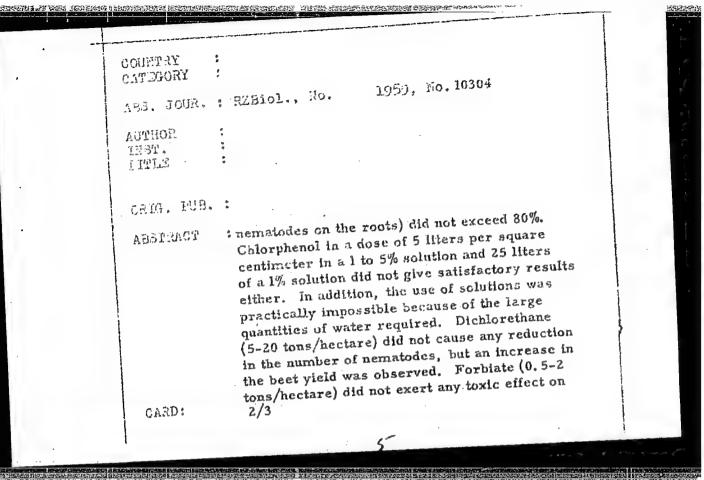
Observatora. Vol. 5, no. 10, Optober 1952. Warszava.)

Observatora. Vol. 5, no. 10, Optober 1952. Warszava.)

So: Monthly List of East European Accessions, Vol. 3, No. 2, Library of Congress, February 1954, Unol.

. 6, no. 3,	March 1953.	,		6 (<u>Gazeta Obserwator</u>	
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Zooparasitology. Parasitic Worms. Plant POLAND Country CATEGORY 1959, No. 10304 Helminths : RZBiol., NO. A3S. JOUR. Wilski Andrzej ROHTUA Research on the Control of the Beet Nematode by Dist. TITLE Chemical Means Roczn. nauk rolniczych, 1957, A 75, No 4, 645-666 ORIG. PUB. : In small bowls and under field conditions experiments were peformed on the testing of ABSTRACT dinitroorthocresol (1) (41 and 50% of the active principle), intox (chlordane), dichlorethane, forbiate, chlorphenol, wolatox and systox for the purpose of disinfecting the soil and plants with respect to the best aematode. I was tested in doses of 7.2-80 kilograms/hecture; it was introduced into the soil in an aqueous solution 1 to 4 days before seeding the beets. The efficacy of 1 (reduction in the number of female 1/3 CARD:



COUNTRY:
CATEGORY:
ABS. JOUR. : REBlol., Fo. 1959, No. 10304

AUTHOR: INST.: TITLE:

ORIG. PUB. :

ABSTRACT : the nematode under field conditions compared with

the flower pots, which is explained by the poorer mixing of the preparation with the soil in the field. In doses of 600-1200 cubic centimeters/hectare intox did not give any satisfactory results; the same thing was observed with wofatox

(100-500 kilograms/hectare) and sprinkling with a 1% system solution. Of all the preparations tested forbiate has the least number of harmful

properties. Bibliography 54 titles. --

N. M. Sveshnikova

CARD:

3/3

89185 P/005/60/000/052/002/003 A076/A026

26.2182

Wilski, Artur, Master of Engineering

AUTHOR:

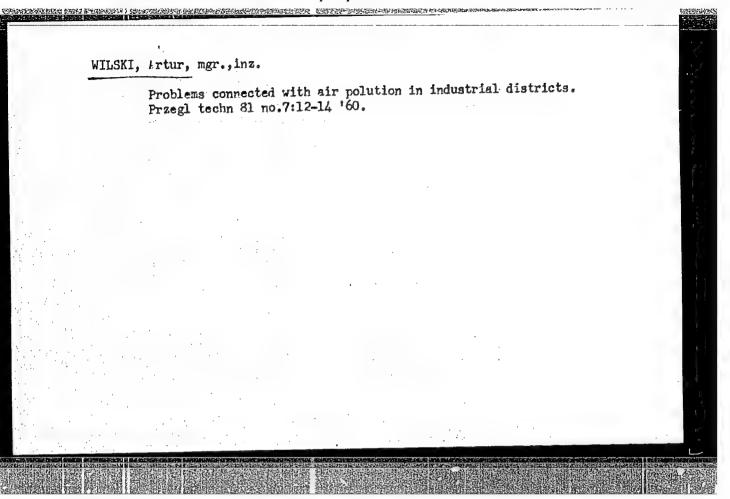
Lubricating Technique Today

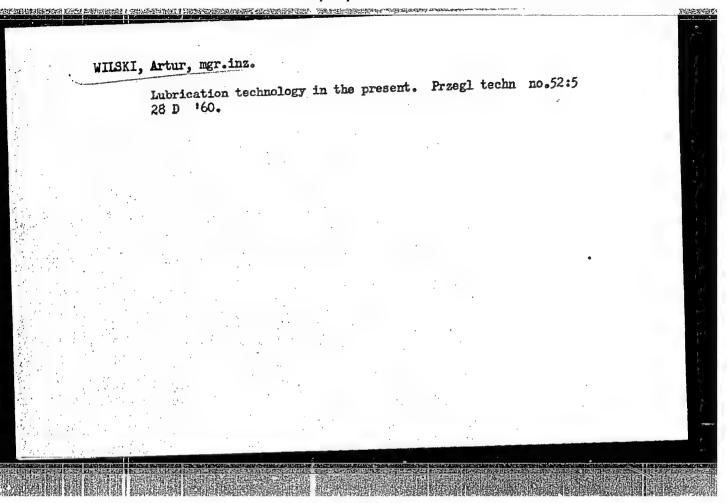
PERIODICAL:

Przeglad Techniczny, 1960, No. 52, p. 5

TEXT: The author describes in general properties of lubricants used in rockets, inter-continental mussiles, jet aircraft and engines operating at high temperature. The surface of a super-sonic aircraft during flight heats up to 130 - 530°C presenting a lubricating problem. New types of lubricant are needed. The most important lubricants are based on various types of silicons. Silicon lubricants have the best lubricating properties, e.g. low steam tension, resistance to high temperature, good viscosity, indifferent to changes in temperature, they do not corrode and may be used as shock and heat absorbing liquid. A higher class of lubricant used in aircraft are the so-called esters of aromatic acid. Practical application of phenylbicarboxyl acid esters gave good results, as this type of lubricant is not affected by hydrolysis, has low steam tension and does not yield to pyrolyses at 320°C. This type of lubricant has a temperature range of from minus 130 to plus 650°C.

Card 1/1





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WILSKI, I.

"The Ductube method of installing electric cables in concrete."

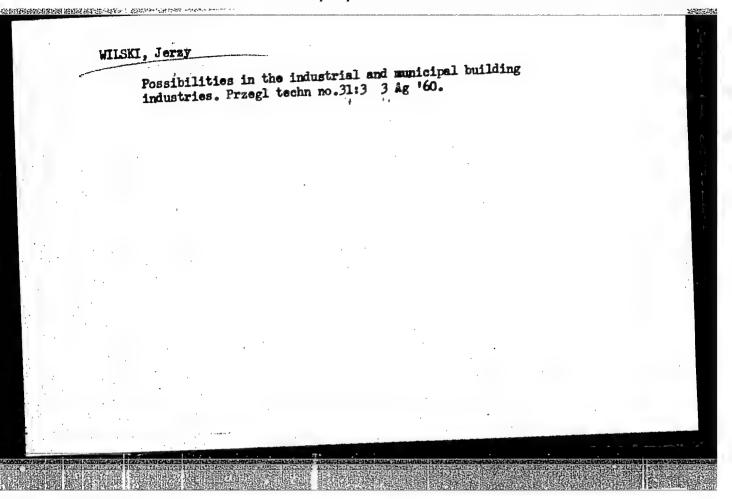
p. 46 (Wiadomosci Elektrotechniczne) Vol. 18, no. 2, Feb. 1958 Warsaw, Poland

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4, April 1958

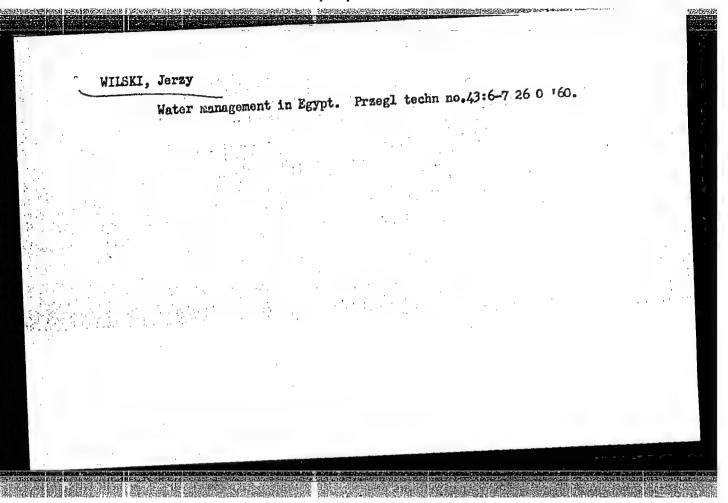
WIISKI, Ignacy, mgr inz.

The DUCTUBE method of laying electric cables in concrete. Wiad elektrotechn 18 no.2:46-49 F *58.

1. B. uro Projektow Budownictwa Morskiego, Warszawa.



APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001961620001-5"



MARCZEWSKI, K., mgr inz. arch.; WIISKI, Juliusz, inz. arch.;
WYPOREK, Bogdan, mgr inz. arch.

Organization and economics of the capital investment process. Przegl techn 85 no.31:4 2 Ag '64.

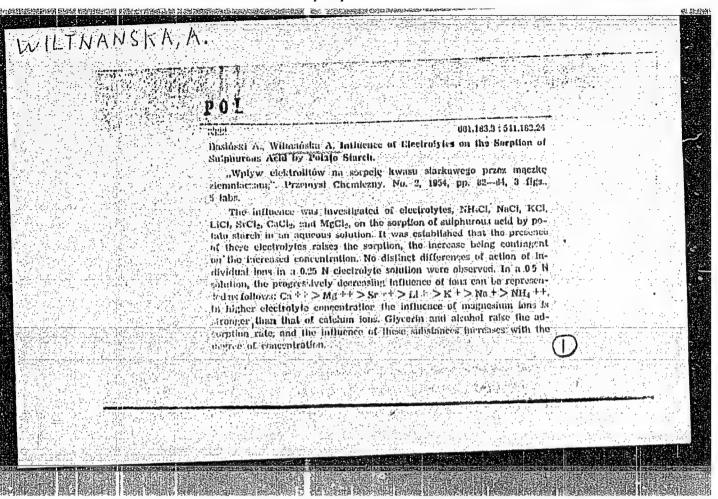
WILSON, C.

SCIENCE

Periodicals MAGYAR FIZIKAI FOLYOIRAT Vol. 6, no. 4, 1958

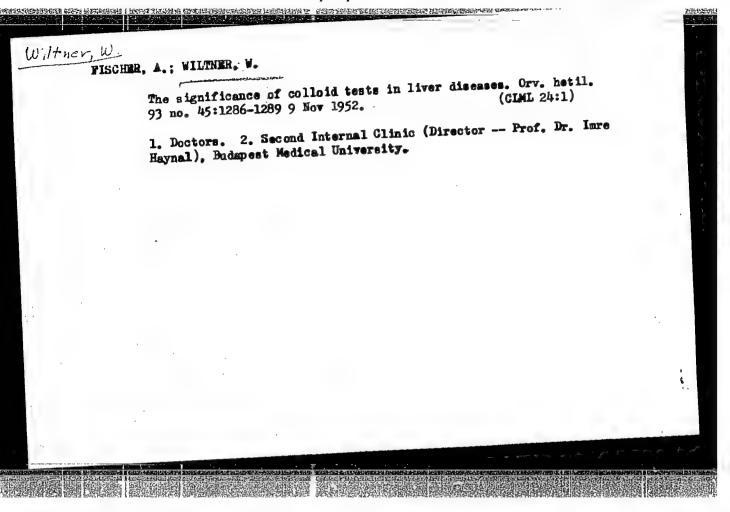
WILSON, C. On the ionization of atmospheric sir. Tr. from the English. p. hol.

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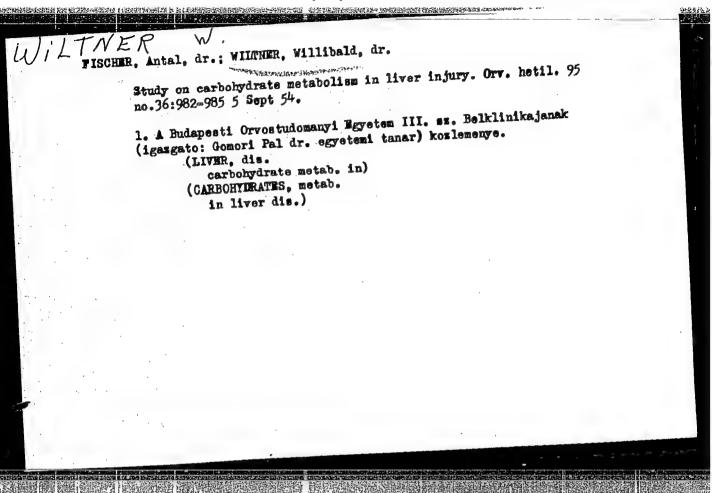
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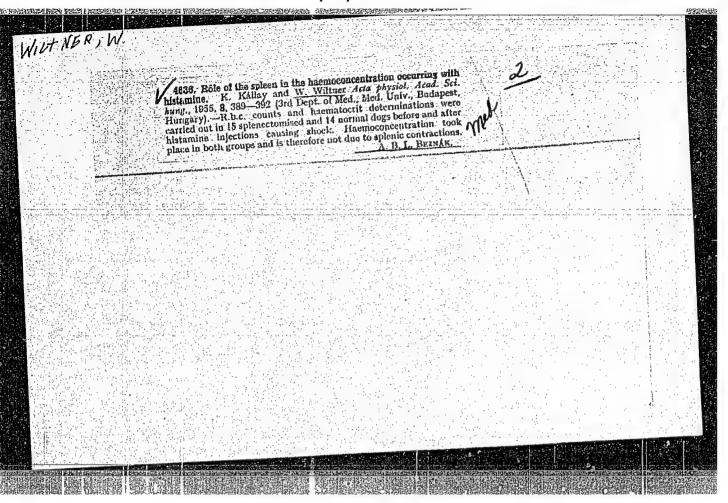
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NAGY, Z. WIJANER, V. Effect of isolated cerebral and isolated trunk hypoxia on minute volume. Acta physicl. hung. Suppl. no.6:55-56 1954. 1. III. Medizinische Klinik der Medizinischen Universitat, Budapest. (HEART minute volume, eff. of exper. cerebral or trunk hypoxia) (ANOXIA cerebral or trunk hypoxia, eff. on minute volume)

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GOMORI, Pal; SZABO, Gyorgy; KOVACS, Arisatid; WAGY, Moltan; TAKACS, Lajos;
WILTNER
             WILTHER, Willibald
              The role of hypoxia and hypercapnia in the neuroregulation of the
              renal circulation and diuresis. Magy Belorv. arch. 7 no.5:129-145
              Oct. 54.
              1. A Budapesti Orvostudomanyi Egyetem III. ss. Belklinikajanak
              (igazgato: Gomori Pal egyetemi tanar) I. ss. Belklinikajanak
              (igasgato: Ruswnyak Istvan egyetemi tanar) es Elettani Intezetenek
              (Igasgato: Balint Peter eyetemi tanar) koslemenye.
                     (CARBON DIOXIDE, in blood
                        hypercapnia, eff. on renal circ. & diuresis in dogs)
                      (ANOXIA, exper.
                        eff. on renal circ. & diuresis in dogs)
                      (KIDERYS, blood supply
                         circ., eff. of exper. anoxia & mypercapnia in dog)
                         eff. of exper. anoxia & hypercapnia in dogs)
                      (DIURESIS
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WILTNER, Willibald, dr.

Oral therapy of diabetes mellitus with sulfamide derivatives.
Orv. hetil. 98 no.39:1081-1084 23 Sept 56.

1. A Budapesti Orvostudomanyi Egyetem III. sz. Belklinikajanak (igasgato: Gomori, Pål, dr. egyet. tanar) koslemenye.

(DIABETEN MELLITUS, ther.

N-sulfamily-N*-butyl urea, indic. & mechanism of action (Hun))

(SULHONANDES, ther. use

N-sulfamily-N*-butyl urea, in diabetes mellitus, indic. & mechanism of action (Hun))

(UREA, related cpds.

N-sulfamily-N*-butyl urea ther. in diabetes mellitus, indic. & mechanism of action (Hun))

UEAI, Iaszlo, Dr.; NAGY, Zoltan, Dr.; SZINAY, Gyula, Dr.; WILMNER, Willibald, Dr.

Kidney examinations in scleroderma. Orv. hetil. 99 no.8-9:266-271 23 Feb
- 2 Mar 58.

1. A Budapesti Orvostudomany Egyetem III. sz. Belklinikajanak (igazgato:
Gomori Pal dr Egyet. tanar) kozlemenye.

(SCLEMODERMA, physiol.
 kidneys, physiopathol. (Hun))

(KIDNETS, in various dis.

scleroderma, physiopathol, changes (Hun))

GOMORI, P.: KOYACH, A.G.B.; TAKACS, L.; FOLDI, M.; SZABO, Gy.: NAGY, Z.;

WILTMER, W.

Renal blood flow in arterial hypoxia. Acta med. hung. 16 no.1:
37-42 *60.

1. 3rd Department of Medicine (Director: P. Gomori). Institute of Physiology (Director: P. Balint), and 1 st Department of medicine (Director: I.Rusznyak). University Medical School, Budapest.

(AMOXIA exper)

(XIDNEYS blood supply)

GOMORI.P.; KOVACH.A.G.E.; TAKACS.L.; FOLDI.M.; SZABO.Gy.; MAGY.Z.;

WILTHER.W.

The control of renal circulation in hypoxia. Acta med.hung. 16
no.1:43-60 '60.

1. 3rd Department of Medicine (Director: P.Gomori), Institute of Physiology (Director: P.Balint), and 1 st Department of Medicine (Director: I.Rusznyak), University Medical School, Budapest.

(AMOXIA exper)

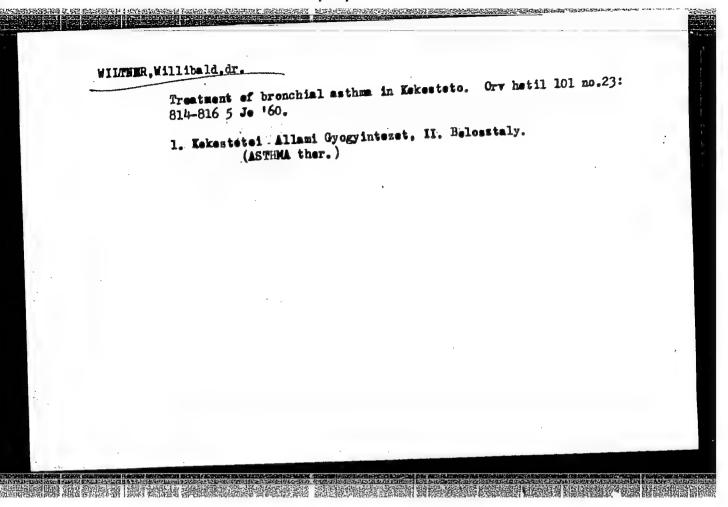
(KIDHEYS blood supply)

GCMORI, P.; KOVACH, A.G.B.; TAKACS, L.; FOLDI, M.; SZABO, Gy.; NAGY, Z.;
WILTNER, W.; KALLAY, K.

The regulation of cardiac output in hypoxia. Acta med. hung. 16
no.1:93-98 '60.

1. 3rd Department of Medicine (Director: P.Gomori), Institute of
Physiology (Director: P.Balint), and 1 st Department of Medicine
(Director: I.Ruszyak), University Medical School, Budapest.

(ANOXIA exper)
(HEART physiol)



WILTOWSKI, F.

"Cur Constitution" p. 177 (CEMENT, WARNO, GIPS. Vol. 8, no. 9 Sept. 1952, Krakow, Poland)

SO: Monthly List of East European Accessions, Vol. 2, #8, Library of Congress August, 1953, Unvl.

WILTOWSKI, J.

WILTOWSKI, J. Experimental fisheries of the Polish Academy of Sciences. p. 1. Vol. 8, no. 11, Nov. 1956. GOSPODARKA RYENA. Warszawa, Poland.

SOURCE: East European Accessions List (IEAL) Vol. 6, No. 4--April 1957

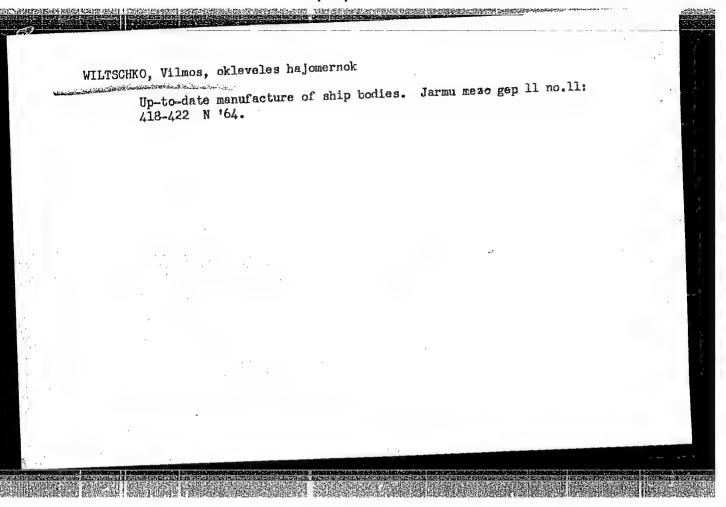
WILTOSINSKI, R.

SCIENCE

Periodicals: CHEMIK. Vol. 11, no. 7/8, July/Aug. 1958

WILTOSINSKI, R. Information on the mensuration equipment for the chemical industry planned and constructed by the Silesian Polytechnic School at Gleiwits. p. 3 of cover.

Monthly List of East European Accessions (EEAI) LC Vol. 8, No. 4, April 1959, Unclass.



WILLIH, Z.

The geotectonic researches on the fundation of the Palace of Culture and Science in Warsaw. p. 237

Vol. 12, no. 7, July 1955 INZYNIERIA I BUDOWNICTWO Warszawa

Source: Monthly List of East European Accessions, (EEAL), LC, Vol. 5, no. 2
Feb. 1956

WILUN, Z.

WILUN, Z. Problems of soil mechanics as applied to surveying. p. 441.
Vol. 12, no. 12, Dec. 1956. PRZEGLAD GFODEZYJNY. Warszawa, Poland.

SOURCE: East European Accessions List (EEAL) Vol. 6, No. 4-April 1957

WILLIN, ZENON

Wyznaczanie dopuszczalnych obciazen gruntow

Warszawa, Poland, Arkady, 1958. 283 p.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 9, September 1959. Uncl.

WILLIN, Zenon, prof. inz.

Model studies on the strength characteristics of soils. Inst tech budow inf no.12:37-39 63.

1. Zaklad Mechaniki Gruntowli: Fundamentowania, Instytut Techniki Budowlanej, Warszawa.

WILUN, Zenon, prof. inz.; BOLENSKI, Marian, mgr inz.

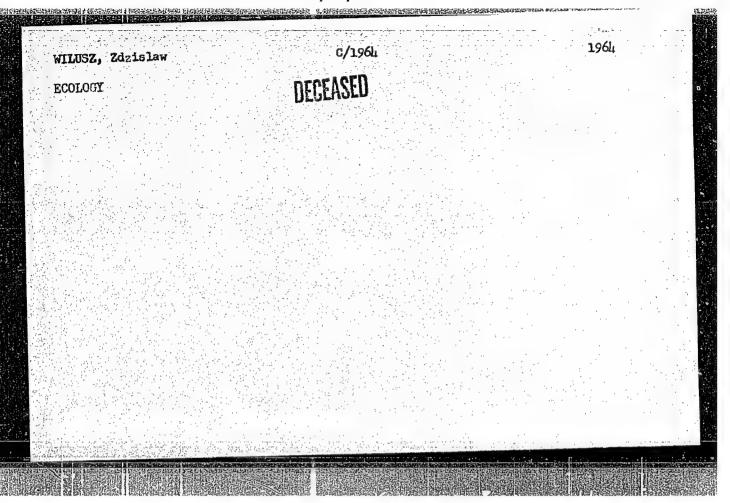
Subsoil studies with the ITB-ZW percussive rotary soil trial tool. Inst tech budow inf no.12:40-42 '63.

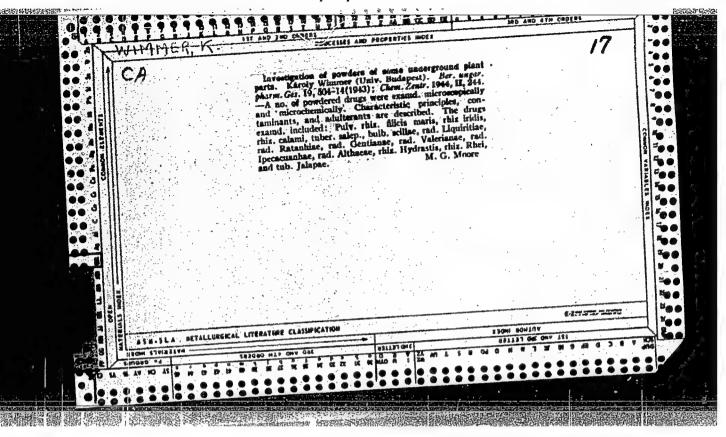
1. Zaklad Mechaniki Gruntow i Fundamentowania, Instytut Techniki Budowlanej, Warszawa.

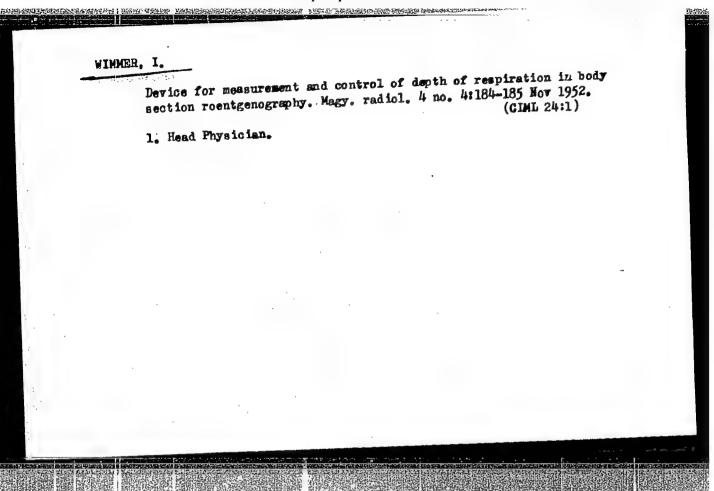
WILUN, Zenon, prof. dr inz.; KISIEL, Igor, prof. dr inz.; KWASNIEWSKI, Julian, mgr inz. HÜCKEL, Stanislaw, prof. dr inz.

Discussions on papers and communications. Rozpr hydrotechn no.12: 95-97 162.

1. Technical University, Warsaw (for Wilun). 2. Technical University, Wroclaw (for Kisiel). 3. Research Institute of Hydraulic Engineering, Polish Academy of Sciences, Gdansk (for Kwasniewski, Hückel).







WIMMER, M.

"Organizing the Work with Prefabricated Housing Constructions." p. 255 (Stavebni Prumysl, Vol. 3, no. 11, June 1953, Praha)

SO: Monthly List of East European Accessions, Vol. 3, no. 2, Library of Congress, Feb. 1954, Uncl.

WIMMER, M.

Construction of frame buildings. p. 62. POZEMNI STAVBY. (Ministerstvo stavebnictvi) Praha. Vol. 3, no. 2, Feb. 1955.

SOURCE: East European Accessions List (EEAL), Library of Congress, Vol. 5, No. 12, December 1955.

Meeting of general secretaries of the Scientific Technical Societies in Czechoslovakia in 1962. Tech praca 14 no.4:247-249 Ap '62.

1. Vedecky tajemnik Ustredni rady Ceskoslovenske vedecko technicke spolecnosti.

WIMMER, Miloslav, nositel Radu prace

International conference of scientists at the 4th Brno Fair. Techpraca 14 no.9:667-672 S 162.

1. Vedecky tajemnik Ustredni rady Ceskeslovenske vedeckotechnicke spolecnosti.

WIMMER, Miloslav The Czechoslovak Scientific Technical Society is the main organizer of the development of science and technology. Tech praca 14 no.10:797-799 '62. 1. Vedecky tajsmnik, Ustredni rada Ceskoslovenske vedeckotechnicke spolecnosti, Praha.

Looking forward to the 12th Congress of the Communist Party of Czechoslovakia. Elektrotechnik 17 no.12:333-334 D '62.

1. Vedecky tajemnik, Ceskoslovenska vedecko-technicka spolecnost, Praha.

WIMMER, Milosiav

Experiment in planning, management, and financing. Tech preca 16 no.2:91-93 F'64.

Construction of a building by the method of raised floors. Ibid.:110-111

1. Vedecky tajemnik, Ustredni rada Ceskoslovenske vedecko-technicke spolecnosti.

WIMMER, Miloslav

Quality has priority. Tech praca 16 no. 6:401-403 Je 164.

Reliability service. Ibid.:416-417

Effect of designer's education on the quality and technological standard of production and products. Ibid.:461-463

1. Scientific Secretary of the Central Council of the Czechoslovak Scientific and Technological Society, Prague.

MACAK, Jiri; WIMER, Petr; ZACHER, Jan

Analytic evaluation of the acid component of low-temperature tar from Most lignite, Sbor pal vod VSChT Vol. 5:251-279 61 [publ; 162].

1. Katedra koksarenstvi a plynarenstvi, Vysoka skola chemickotechnologicka, Praha.

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9.4130

S/058/62/000/009/061/069 A057/A101

AUTHORS:

Kazoń, Grażyna, Winawer, Irena

TITLE:

Activation of silver-magnesium secondary-electron emitters for

photomultipliers

PERIODICAL:

Referativnyy zhurnal, Fizika, no. 9, 1962, 49, abstract 9-3-97t

("Przegl. elektron.", 1962, v. 3, no. 1, 9 - 11, Polish)

TEXT: Emitters from an Ag-Mg (Ag 98%, Mg 2%) alloy with a coefficient of secondary emission of about 4, working at a 100 - 150 v voltage, are used in the two last stages of the photomultiplier developed in the Przemysl Institute of Electronics (Poland). The activation of the emitters is based on the formation of a magnesium oxide surface layer of 10⁻⁵ - 10⁻⁴ cm thickness. The maximum values for the coefficient of secondary emission is attained by oxidation of an Ag-Mg alloy in steam atmosphere. Curves are given which characterize the activation process and are taken under thoroughly controlled conditions in which the influence of side factors was excluded by preliminary washing and protracted heating of samples. A drawback of the silver-magnesium emitters is their low resis-

Card 1/2

Activation of silver-magnesium...

S/058/62/000/009/061/069 A057/A101

tance to moisture, consequently they change strongly the emission properties during storage in air. Until the installation these emitters have to be stored in exiccators or evacuated ampullas. There are 4 references. [Przemyslowy. Inst. Elektroniki, PNR]

N. S.

[Abstracter's note: Complete translation]

Wydział Lamp Obrazowych Zaklad DoswiaDczalny
PRZEmysłowego Instytutu Elektoniki

Card 2/2

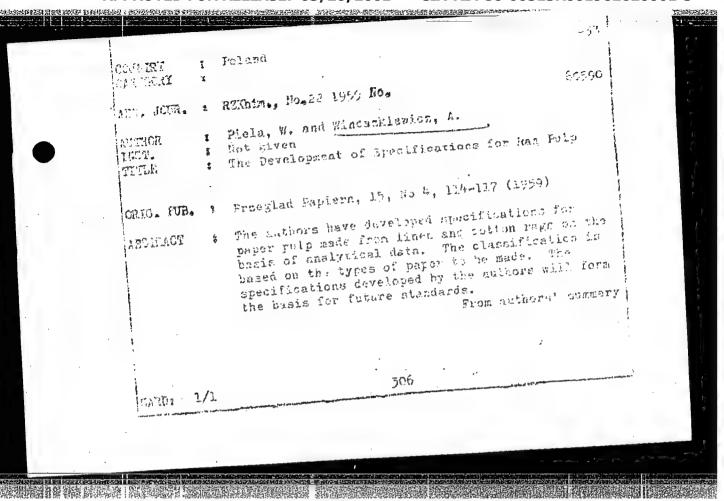
VIMICKI, J.

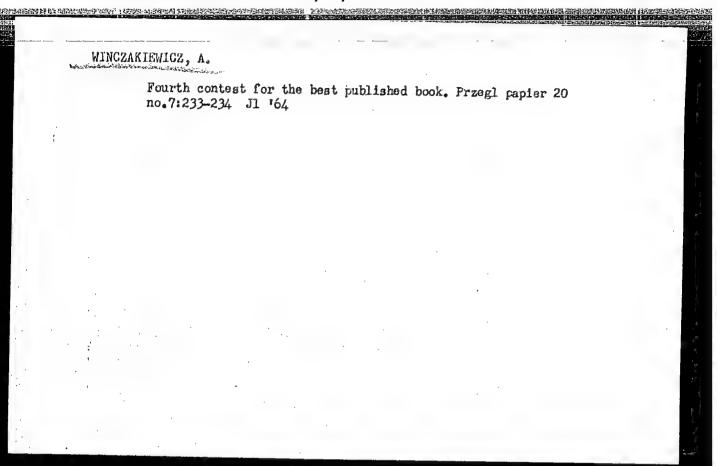
The behavior of petrographic constituents of Polish coals during crushing. p. 166.

KAKS, SMOLA, CAZ. Katowice, Poland Vol. 4, no. 4, July/Aug. 1959.

Monthly List of East European Accession. (EEAI) LC, Vol. 9, no. 1, Jan. 1960

Uncl.





POLAND / Physical Chemistry. Radiochemistry. Isotopes. B

Abs Jour: Ref Zhur-Khimiya, No 20, 1959, 70696.

: Zielinski, M.; Wincel, H. Author

:Not given. Inst

: Synthesis of Potassium Oxalate and Oxalic Acid Labeled with \mathbf{C}^{14} . Title

Orig Pub: Roczn. chem., 1958, 32, No 5, 1189-1190.

Abstract: In a previously proposed method of synthesizing

KgCgO4 (I) labeled with Cl4 (Long E. A., J. Amer. Cham. Soc., 1939, 61, 570), finely granulated sand (the adsorbent active agent) is replaced by gravel having a grain diameter of 5-7 mm. By the method of reverse isotope dilution, it is established that I, obtained by this method, contains no traces of carbonates. The labeled ${\rm H_2C_2O_4}$ (II) was obtained by means of isotope ex-

Card 1/2

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POLAND / Physical Chemistry. Radiochemistry. Isotopes. B

Abs Jour: Ref Zhur-Khimiya, No 20, 1959, 70696.

Abstract: change between inactive II and active I or by

means of treating I with inorganic acid, followed by an ether extraction of II. B. Kaplan.

mortilly List of East European (eccesions). (EEAI) LC. Vol. 8, No. 7, Jul. 59 Unel.

Card 2/2

ZLOTOWSKI, Ignacy; WINCEL, Henryk

Mass spectrometric studies of chemical processes occurring in a selfquenching Geiger-Muller counter filled with long-chain saturated hydrocarbons. Nukleonika 5 no.5: 261-279 '60.

1. Warsaw University, Warszawa, Department of Nuclear Chemistry

ZLOTOWSKI, Ignacy; WINCEL, Henryk

Mass spectrometric studies of electron impact fragmentation of ethyl halides. Nukleonika 6 no. 6:409-414.

1. Warsaw University, Warszawa, Department of Nuclear Chemistry.

ZLOTOWSKI, Ignacy; POLACZEK, Andrzej; WINCEL, Henryk

A study of the icdine exchange between KAII $_{\!\!4}$ and alkyl halides by the method of isotopic tracers. Nukleonika 6 no. 6:415-422. '61

1. Uniwersytet Warszawski, Warszawa, Katedra Chemii Jadrowej.

33736

11.3950 11.1210 5.4600

P/046/62/007/001/002/006 D216/D304

AUTHOR:

Wincel, Henryk

TITLE:

Mass spectra and primary radiation processes of certain

organic substances in the gas phase

PERIODICAL:

Nukleonika, v. 7, no. 1, 1962, 25-38

TEXT: Using the quasi-equilibrium theory of H. Eyring and his associates the author calculated the distribution of unimolecular decomposition products of irradiated methane and ethane, and G-values for the methane products. The time interval used in the calculations was the average time between gas molecule collisions at atmospheric pressure 10^{-10} sec. The activation energies of the possible unimolecular reactions were estimated from appearance potentials or thermochemical calculations as given by F.N. Field and J.L. Franklin and M. Krauss, A.L. Wahrhaftig and H. Eyring. The mass spectrum for methane was calculated using the expression Eq.(3)

 $P(E) = e^{-\frac{2\Gamma(E)}{2}}$ with P(E)=0 from 5-10 eV, E being the average excitation energy. For ethane, P(E) = 1 for $0 \le E \le 6.6$ eV and = 0 for C_{ard} (1/4)

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Mass spectra and primary ...

E 7 6.6 eV. The calculated relative abundances of unimolecular decomposition products in both cases differ considerably from experimental data, indicating that bimolecular ion-molecule reactions complicate the distribution obtained from experimental mass spectra. The author now assumes that primary products undergo bimolecular reactions in collisions with molecules of the parent substance, and that these reactions occur at every ion-molecule collision. It is shown that, taking this into account, the ion ratios $\text{CH}_5^+/\text{C}_2^{\text{H}_5^+}$, $\text{CH}_5^+/\text{C}_2^{\text{H}_4^+}$, and $\text{C}_2^{\text{H}_5^+}/\text{C}_2^{\text{H}_4^+}$ calculated for methane are in satisfactory agreement with experimental data. All these ions have high yields, and greater deviations were found for the low yield products. Considering radical and atom reactions, only the $ext{CH}_5^+$ ion is assumed to decompose on neutralization. It is shown that in addition to recombination and disproportionation reactions, in which free radicals and hydrogen atoms take part, the reaction of hydrogen with methane must be considered; the reaction of free radicals with the methane may, however, be neglected. From all the possible reactions, the results were calculated, taking W=27,3 eV/ion pair. The statistical method used by J.H.

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Mass spectra and primary ...

Futrell and C.D. Wagnet and kinetic data of C.A. Heller, S. Rabinovitch et al. J.A. Kerr and A.F. Trotman-Dickenson and K.J. Ivin and E.W. R. Steacie were employed in the calculations. Comparison with the experimental results is difficult due to the differences of methods and dependence of the degree of conversion of the parent substance. The results of G.J. Mains and A.S. Newton were used and the relative G-values were compared with the relative experimental yields of the appropriate products. Good agreement is obtained, supporting the method of radiolysis proposed by the author, and indicating the possible value of the quasi-equilibrium theory. The author thanks Professors I. Ziotowski, S. Minc, and Doctor Kecki. There are 2 figures, 7 tables and 44 references: 4 Soviet-bloc and 40 non-Soviet-bloc. The 4 most recent references to the English-language publications read as follows: J.H.Futrell. J.Phys.Chem., 64,1634,1960; A.Korf, E.M. Eyring, A.L. Wahrhaftig, H. Eyring: J. Chem. Phys. 32, 149, 1960; E.M. Eyring, A.L. Wahrhaftig: J. Chem. Phys., 34, 23, 1961; G.J. Mains, A.S. Newton, J. Phys. Chem., 65, 212, 1961.

Card 3/4

33736

P/046/62/007/001/002/006 D216/D304

Mass spectra and primary ... D216/D3

ASSOCIATION: Institute of Nuclear Research, Warsaw, Department of

Radiation Chemistry

SUBMITTED: November, 1961

Card 4/4

WINCEL, Henryk

Mass spectra and primary radiation processes of certain organic substances in gas phase. Nukleonika 7 no.1:25-38 '62.

1. Institute of Nuclear Research, Warszawa, Department of Radiation Chemistry

KECKI, Zbigniew; WINCEL, Henryk

Determination of radiation yield of hydrogen by the gas chromatography method. Hukleonika 7 no.3:169-174 162.

 Polish Academy of Sciences, Institute of Nuclear Research, Department of Radiation Chemistry, Warsaw.

3/081/63/000/001/022/061 B144/B186

AUTHORS:

Zagórski, Zbigniew, P., Kecki, Zbigniew, Wincel, Henryk

TITLE:

Determination of radiation yields in the two-phase system of

0,(80s)-H20, NaOH, Na2SO,(liquid). I.

PERIODICAL:

Referativnyy zhurnal. Khimiya, no. 1, 1963, 88, abstract 1B611 (Rept. Inst. badan jedrow. PAN, 1961, N 290/ChR,

7 pp., ill. [Eng.; summaries in Pol. and Ruse.])

TEXT: The yields of $G(-SO_3^{2-})$, $G(-O_2)$, and $G(H_2)$ were determined in the two-phase system: gaseous $O_2 - 0.066$ M Na₂SO₃ solution - 1 M HaOH under the effect of Co^{60} γ -irradiation. $G(H_2) = 0.44 \pm 0.02$, $G(-SO_3^{2-})$ and $G(-O_2)$ decrease when the dose increases, $G(-SO_3^{2-})/G(-O_2) \approx 2$. [Abstracter's note: Complete translation.]

Card 1/1

ACCESSION NR: AP3003624

P/0046/63/008/002/0117/0127

AUTHOR: Kecki, Zbigniew; Wincel, Henryk

TITLE: Primary processes of radiation chemistry as studied by mass spectrometry. I. Fragmentation of tetrahydronaphthalene on electron impact

SOURCE: Nukleonika, v. 8, no. 2, 1963, 117-127

TOPIC TAGS: tetrahydronaphthalene electron fragmentation, electron impact fragmentation, tetrahydronaphthalene, tetrahydronaphthalene fragmentation, radiolysis metastable ion, radiolysis primary process, molecular fragmentation

ABSTRACT: A mass-spectrometric investigation of the fragmentation of tetrahydronaphthalene under electron impact has been carried out.
"Pure" grade domestic tetrahydronaphthalene was dried and purified in a column of 15 theoretical plates. The fraction used had a boiling point of 207C at 754 mm Hg. Gas chromatrography and mass spectrometry analysis showed the presence of about 0.5% decahydronaphthalene.
"Analytical" grade domestic toluene was used without extra purification, as gas chromatography revealed no impurities. Both substances.
Cord 1/2

ACCESSION NR:	AP3003624	The state of the s
eing introdu ass spectra gnated MI-13 he apparent cheme of tet	d by several freezing and pumping cycles in vacuum ced into the ion source of the mass spectrometer. were recorded by a 60° Soviet mass spectrometer (de 05) with a gas ion source. Metastable ions were obmasses of which were used to establish a fragmentate rahydronaphthalene under electron impact. Large qualitions were observed. The C8HB ions and C7H7 ions	served, ion
erved had a ons produced and 2 tables.	cyclic form and decomposed in the same way as similar from other organic substances. Orig. art. has: 3	figures
hemistry, Wa	SOCT62 DATE ACQ: 19Jul63 ENCL: 00	
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WINCEL, Henryk; KECKI, Zbigniew

Primary processes in radiation chemistry as studied by mass spectrometry. Pt. 2. Mukleonika 8 no.4:215-223 363.

1. Institute of Nuclear Research, Department of Radiation Chemistry, Warsaw 9.

WINCEL, Henryk; KECKI, Zbigniew

Primary processes in radiation chemistry as studied by mass spectrometry. Pt.3. Nukleonika 8 no.8:529-543 163.

1. Department of Radiation Chemistry, Institute of Nuclear Research, Warsaw.

ACC NR. APGO12010

SOURCE CODE: PO/0046/65/010/09-/0567/0573

AUTHOR: Wincel. Honryk-Vintsel', G.; Kecki, Zbigniew-Kentskly, Z.

ORG: Department of Radiation Chemistry, Institute of Nuclear Research, Warsaw-Zeran

TITIE: Primary processes in radiation chemistry as studied by mass spectrometry. IV.

Ton-molecule reactions in tetrahydronaphthaleney

SOURCE: Nukleonika, v. 10, no. 9-10, 1965, 567-573

TOPIC TAGS: radiation chemistry, mass spectrometer

ABSTRACT: Ion-molecule reactions in which neutral and ionized molecules of totrahydronaphthalene take part were investigated with a mass spectrometer. Relative cross-section values of individual reactions were determined and the reactions occurring in the radiolysis process of tetrahydronaphthalene in the Liquid phase are discussed. Orig. art. has: 2 figures, 7 formulas, and 3 tables. NA

SUB CODE: 07 / SUEM DATE: 19Jun65 / ORIG REF: 005

CHINANI | CHINANI I MECANISANA AREA AREA MARANI MARANI MARANI MENERANI MENERANI MENERANI MENERANI MENERANI MENE MENERANI ME L 33005-66 EWP(j) SOURCE CODE: PO/0046/65/010/012/0753/0764 ACC NRI AP6024167 AUTHOR: Wincel, H .-- Vintsel', G .: Kecki, Zbigniew -- Kentski, Z. B ORG: Department of Radiation Chemistry, Institute of Muclear Research, Warsaw-Zeran TITLE: Primary processes in radiation chemistry as studied by mass spectrometry. V. Excited and superexcited states in the radiolysis of tetrahydronaphthalene SOURCE: Nukleonika, v. 10, no. 12, 1965, 753-764 TOPIC TAGS: radiation chemistry, mass spectrometry, excited state, chemical docomposition, recombination reaction ABSTRACT: The formation of ions and excited molecules in the initial stage of radiclysis of tetrahydronaphthalene was analyzed. Their yields were determined to be: $G(C_{10}H_{12}^{2})=4.0$ and $G(C_{10}H_{12}^{2})=4.3$. The possibility of formation of excited and superexcited molecules in the recombination process and the transformations of these molecules are discussed. The yields of products of the transformations were evaluated. The authors thank Professor, Doctor Stefan Mine for his guidance and interest in this work. Orig. art. has: 8 formulas and 2 tables. [Orig. art. in Eng.] [MA] SUB CODE: 07 / SUBM DATE: 140ct65 / ORIG REF: 008 / OTH REF: 032 Card